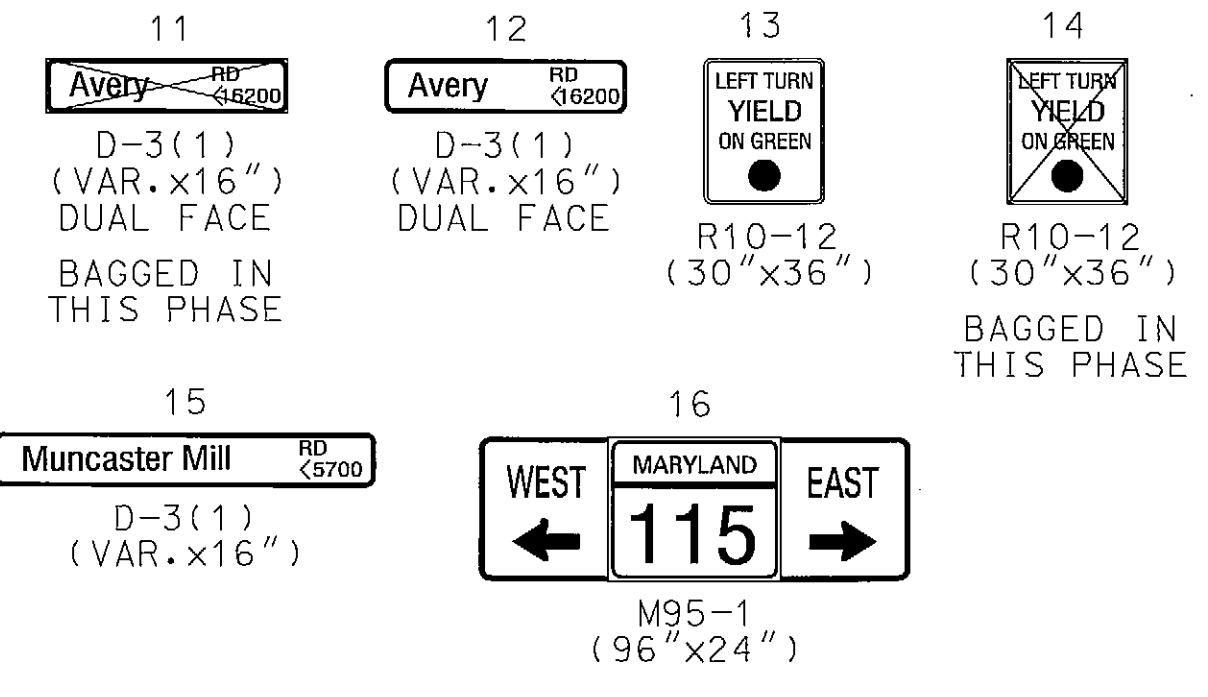
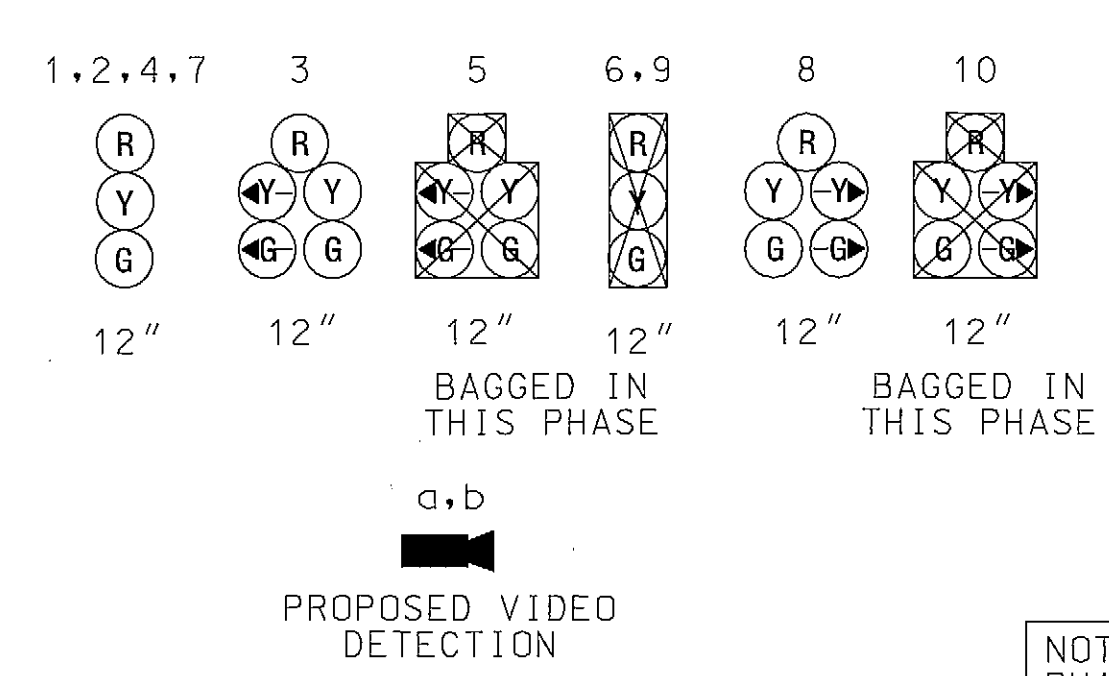


MD 115 IS ASSUMED TO RUN  
IN A EAST/WEST DIRECTION

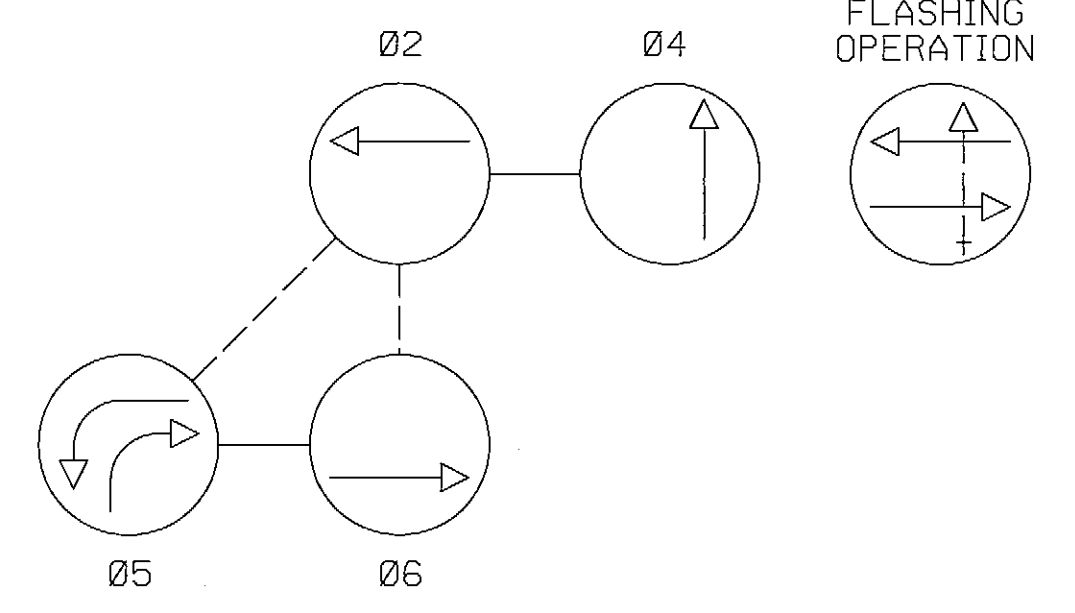
PROPOSED SIGNS



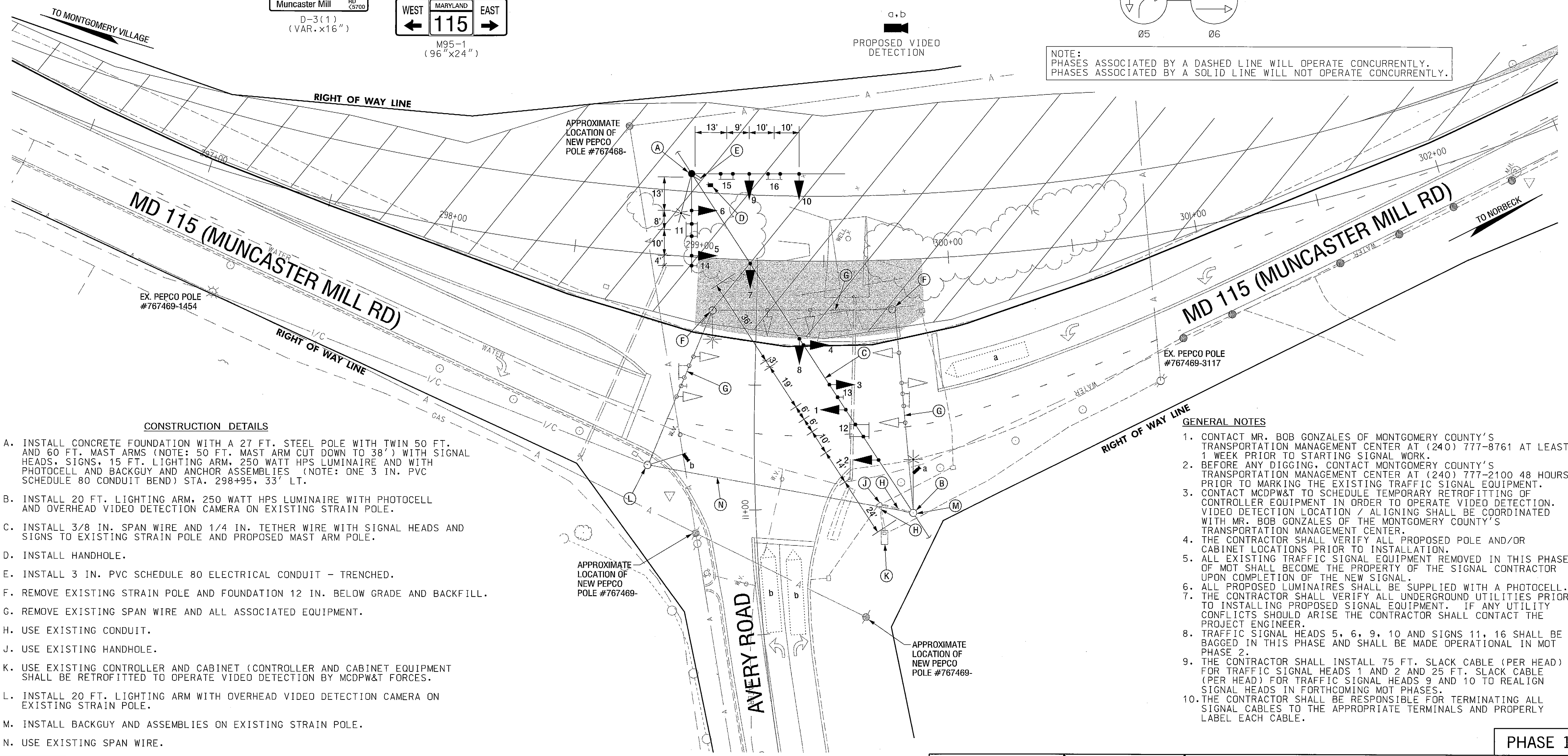
PROPOSED SIGNALS



NEMA PHASING



NOTE:  
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.  
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

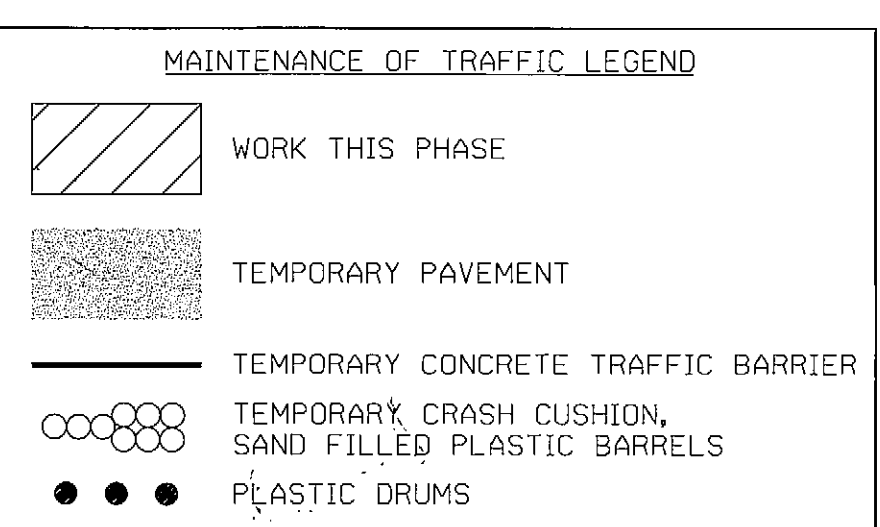
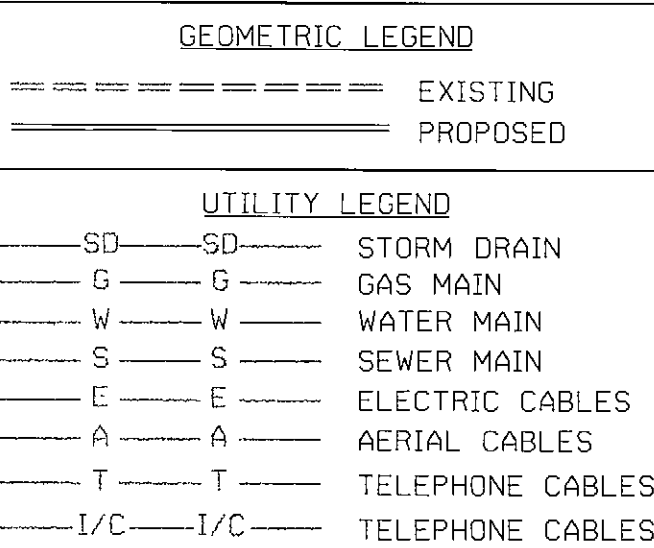
- A. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH TWIN 50 FT. AND 60 FT. MAST ARMS (NOTE: 50 FT. MAST ARM CUT DOWN TO 38') WITH SIGNAL HEADS, SIGNS, 15 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE AND WITH PHOTOCELL AND BACKGUY AND ANCHOR ASSEMBLIES (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND) STA. 298+95, 33' LT.
- B. INSTALL 20 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE WITH PHOTOCELL AND OVERHEAD VIDEO DETECTION CAMERA ON EXISTING STRAIN POLE.
- C. INSTALL 3/8 IN. SPAN WIRE AND 1/4 IN. TETHER WIRE WITH SIGNAL HEADS AND SIGNS TO EXISTING STRAIN POLE AND PROPOSED MAST ARM POLE.
- D. INSTALL HANDHOLE.
- E. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- F. REMOVE EXISTING STRAIN POLE AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
- G. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.
- H. USE EXISTING CONDUIT.
- J. USE EXISTING HANDHOLE.
- K. USE EXISTING CONTROLLER AND CABINET (CONTROLLER AND CABINET EQUIPMENT SHALL BE RETROFITTED TO OPERATE VIDEO DETECTION BY MCDPW&T FORCES).
- L. INSTALL 20 FT. LIGHTING ARM WITH OVERHEAD VIDEO DETECTION CAMERA ON EXISTING STRAIN POLE.
- M. INSTALL BACKGUY AND ASSEMBLIES ON EXISTING STRAIN POLE.
- N. USE EXISTING SPAN WIRE.

GENERAL NOTES

1. CONTACT MR. BOB GONZALES OF MONTGOMERY COUNTY'S TRANSPORTATION MANAGEMENT CENTER AT (240) 777-8761 AT LEAST 1 WEEK PRIOR TO STARTING SIGNAL WORK.
2. BEFORE ANY DIGGING, CONTACT MONTGOMERY COUNTY'S TRANSPORTATION MANAGEMENT CENTER AT (240) 777-2100 48 HOURS PRIOR TO MARKING THE EXISTING TRAFFIC SIGNAL EQUIPMENT.
3. CONTACT MCDPW&T TO SCHEDULE TEMPORARY RETROFITTING OF CONTROLLER EQUIPMENT IN ORDER TO OPERATE VIDEO DETECTION. VIDEO DETECTION LOCATION / ALIGNING SHALL BE COORDINATED WITH MR. BOB GONZALES OF THE MONTGOMERY COUNTY'S TRANSPORTATION MANAGEMENT CENTER.
4. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND/OR CABINET LOCATIONS PRIOR TO INSTALLATION.
5. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED IN THIS PHASE OF MOT SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
6. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
7. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
8. TRAFFIC SIGNAL HEADS 5, 6, 9, 10 AND SIGNS 11, 16 SHALL BE BAGGED IN THIS PHASE AND SHALL BE MADE OPERATIONAL IN MOT PHASE 2.
9. THE CONTRACTOR SHALL INSTALL 75 FT. SLACK CABLE (PER HEAD) FOR TRAFFIC SIGNAL HEADS 1 AND 2 AND 25 FT. SLACK CABLE (PER HEAD) FOR TRAFFIC SIGNAL HEADS 9 AND 10 TO REALIGN SIGNAL HEADS IN FORTHCOMING MOT PHASES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.

PHASE 1

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**SABRA, WANG & ASSOCIATES, INC.**  
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(410) 737-6564  
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REVISIONS	APPROVALS
ADDENDUM NO. 1 5-8-03 M09315171	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION DIRECTOR, OFFICE OF TRAFFIC & SAFETY

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
*Office of Traffic & Safety*  
**TRAFFIC ENGINEERING DESIGN DIVISION**  
TEMPORARY TRAFFIC SIGNAL PLAN  
**MD 115 (MUNCASTER MILL ROAD)**  
**AT AVERY ROAD**

DRAWN BY: W. MALCOLM	F.A.P. NO.	TS NO.
CHECKED BY:	S.H.A. NO.	TS-4223A
SCALE: 1" = 20'	COUNTY: MONTGOMERY	T.I.M.S. NO.
DATE: JANUARY, 1990	LOG MILE: 1501503.68	F-489

SHEET NO. 37 OF 51